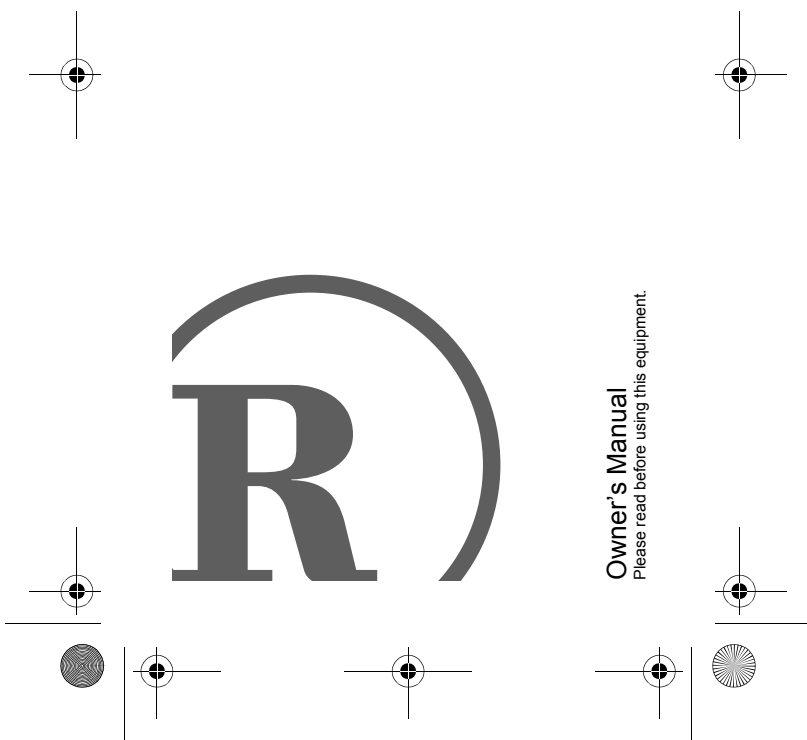


SCR-101 AM/FM Stereo Cassette Recorder



Contents

Features	3
Preparation	5
Connecting to Power	5
Using Battery Power	5
Using AC or DC Power	8
Connecting Headphones or Speakers	10
Listening Safely	10
Traffic Safety	11
Using the Belt Clip	11
Operation	12
Playing the Radio	12
Loading a Cassette Tape	15
Playing a Cassette Tape	16
Using Fast Forward and Rewind	19
Recording	19
Recording from the Radio	20
Recording Live	22
Tape Tips	24
Preventing Accidental Erasure	24
Erasing Tapes	25
Restoring Tape Tension and Sound Quality	25

© 2000 Tandy Corporation. All Rights Reserved.
RadioShack, RadioShack.com, and AdaptaPlug are
trademarks used by Tandy Corporation.

Care and Maintenance	26
Cleaning the Tape-Handling	
Parts	27
FCC Information	29
Specifications	30

Features

You can listen to AM or FM stations or a cassette tape with your RadioShack AM/FM Stereo Cassette Recorder's built-in speaker, or you can connect optional headphones or external speakers. The recorder also includes a built-in monaural microphone and an external stereo microphone for recording lectures or live music.

The recorder's other features include:

AutoReverse Playback — the recorder automatically changes the tape direction at the end of a tape side, so you can continuously play both sides of a cassette tape.

Built-In Microphone — lets you record monaurally.

Tie-Clip Microphone — lets you record in stereo.

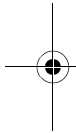


Super Bass — enhances the bass sound.

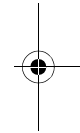


Three Power Sources — let you power your cassette recorder from internal batteries (not supplied), standard AC power (with an optional AC adapter), or your vehicle's battery (with an optional DC adapter) so you can listen to music almost anywhere.

Tape Direction Control — lets you change the tape's direction at any time without having to stop the tape, eject it, and turn it over.



Tape Selector — lets you select the proper equalization for playing normal or high-bias/metal cassette tapes.

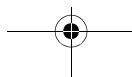


Belt Clip — lets you attach the cassette recorder to your belt for hands-free carrying when you are on the go.

Automatic Level Control — automatically sets the correct recording level.

Battery Check Indicators — show you the amount of power remaining in the batteries.

Note: To listen to your cassette recorder in stereo, you need a pair of headphones or amplified speakers (not supplied) with a





1/8-inch (3.5-mm) mini-plug. Your local RadioShack store sells a wide variety of headphones and speakers.

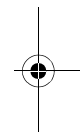
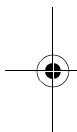


Preparation

CONNECTING TO POWER

You can power your cassette recorder from:

- Internal batteries
- AC power (using an optional AC adapter)
- DC power (using an optional DC adapter)



Using Battery Power

To power the cassette recorder from internal batteries, you need two AA batteries. For the best performance and longest life, we recommend RadioShack alkaline batteries.

You can also use rechargeable nickel-cadmium (Ni-Cd) batteries. These batter-





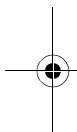
ies and a battery charger are available at your local RadioShack store.



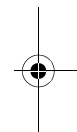
Cautions:

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

Follow these steps to install batteries.



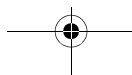
1. Slide the battery compartment cover in the direction of the arrow, then lift open the cover.



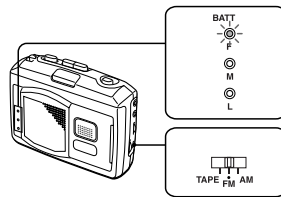
Caution: The cover is hinged. Do not try to remove it.

2. Place the batteries in the compartment as indicated by the polarity symbols (+ and -) marked outside the compartment.
3. Close the cover.

When you turn on the radio or play a tape, one of the three battery indicators lights to



show the amount of power remaining in the batteries.



When the battery indicator lights:

- green, the recorder's battery power is high
- orange, the recorder's battery power is medium
- red, the recorder's battery power is low

When the red BATT indicator lights during operation, the sound becomes weak or distorted, or the recorder stops operating properly, replace both batteries.

Warning: Dispose of old batteries promptly and properly. Never burn or bury them.

Important: This recorder can use Ni-Cd rechargeable batteries. At the end of a Ni-Cd battery's useful life, it must be recycled or disposed of properly. Contact your local, county, or state hazardous waste management authorities for information on recycling or disposal programs in your area or call 1-800-843-7422. Some options that might be available are: municipal curbside collection, drop-off boxes at retailers such as your local RadioShack store, recycling collection centers, and mail-back programs.



Using AC or DC Power

You can power the recorder using a regulated 3V, 300 mA AC or DC adapter and a size H Adaptaplug™ connector (neither supplied). Both are available at your local RadioShack store.

Cautions:



You must use a (Class 2) power source that supplies regulated 3V DC and delivers at least 300 mA. Its center tip must be set to negative and its plug

must fit the recorder's **DC 3V** jack. Using an adapter that does not meet these specifications could damage the recorder or the adapter.

- Always connect the AC or DC adapter to the recorder before you connect it to power. When you finish, disconnect the adapter from AC or DC power before you disconnect it from the recorder.


Follow these steps to connect the recorder to AC or DC power.

1. Set the adapter's voltage switch to 3V, if necessary.
2. Connect the Adaptaplug to the AC or DC adapter's cord so the tip reads TIP-.
3. Insert the barrel plug into the recorder's **DC 3V** jack. This disconnects internal batteries.
4. Depending on the type of adapter you are using, plug the other end of the adapter into a standard AC outlet or a 12V power source.



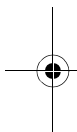
CONNECTING HEADPHONES OR SPEAKERS



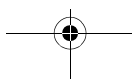
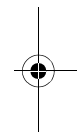
To listen in stereo, you need a pair of headphones or amplified speakers with a $\frac{1}{8}$ -inch (3.5-mm) plug. Your local RadioShack store carries a full line of headphones and speakers. Insert the headphones' or speakers' plug into the cassette recorder's  jack.

Listening Safely

To protect your hearing, follow these guidelines when you use headphones.



- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause dis-



comfort might still damage your hearing.

Traffic Safety

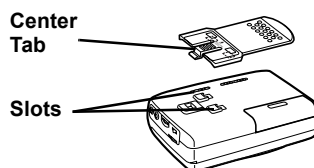
Do not wear headphones while operating a motor vehicle or riding a bicycle. This can create a traffic hazard and can be illegal in some areas.

Even though some headphones are designed to let you hear some outside sounds when listening at normal volume levels, they still can present a traffic hazard.

USING THE BELT CLIP

The supplied belt clip lets you keep your hands free while you listen to the cassette recorder.

To attach the belt clip, insert the belt clip's latches into the slots on the cassette recorder and slide it up until it locks into place.



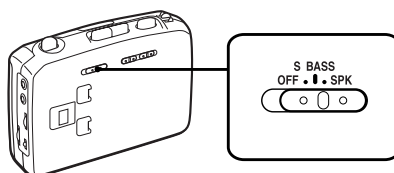
To remove the belt clip, press down on the center tab and slide it in the direction of the **RELEASE** arrow.

Operation

PLAYING THE RADIO

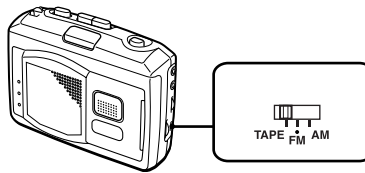
1. To hear monaural sound through the built-in speaker, set **S BASS** (Super Bass)/**SPK** to **SPK**.

To hear sound in stereo, connect headphones or amplified speakers and set **S BASS/SPK** to **OFF** (see “Connecting Headphones or Speakers” on Page 10).

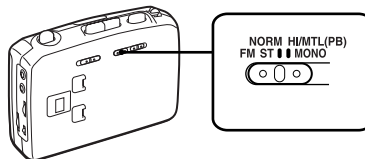


Note: When you use the built-in speaker, you cannot emphasize low frequencies with **S BASS**.

2. Slide **TAPE/FM/AM** to **FM** or **AM** to select the desired band. One of the BATT indicators lights.



3. Slide **FM ST/MONO** to **FM ST** for stereo sound on FM stations (if you are using headphones or amplified speakers).

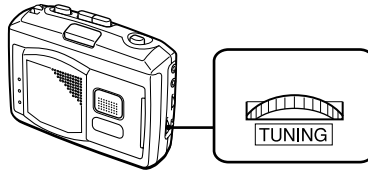


Notes:

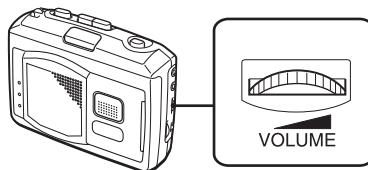
- The AM antenna is built-in. Move the cassette recorder to improve AM reception.
- If you connect a pair of headphones or amplified speakers, fully uncoil the headphones' or speakers' cord for the best FM reception.

- To improve reception for weak FM stereo stations, set **FM ST/MONO** to **MONO**. The sound will be monaural, but reception should improve.

4. Rotate **TUNING** to select a radio station.



5. Adjust **VOLUME** to the desired listening level.



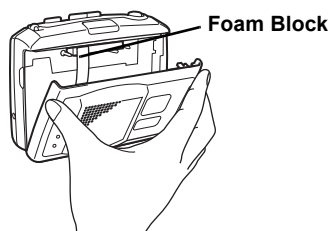
6. To enhance the bass sound, slide **S BASS/SPK** to **S BASS**.

7. To turn off the radio, slide **TAPE/FM/AM** to **TAPE**.

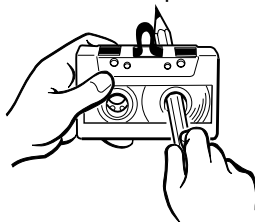
LOADING A CASSETTE TAPE

You can use the recorder to play normal bias, high-bias, and metal tapes. However, you should only use normal bias (Type I) tapes for recording.

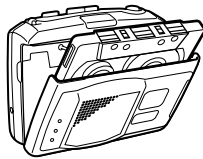
Note: Your recorder comes with a block of foam to protect the cassette recorder's mechanism during shipment. Remove the foam before loading a tape.



1. Take up any slack in the tape by turning the cassette's hub with a pencil. Do not touch the exposed tape.



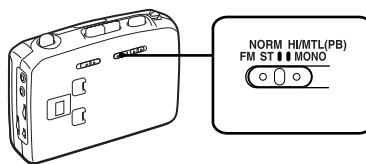
2. Pull out the compartment door to open it.
3. Insert a cassette into the door's cassette guides with the cassette's open edge facing up and the full reel to the right.



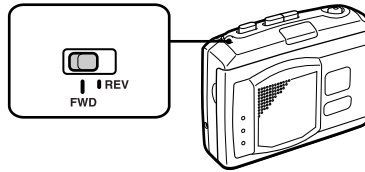
4. Close the cassette compartment door.

PLAYING A CASSETTE TAPE

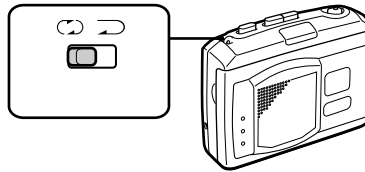
1. Slide **TAPE/FM/AM** to **TAPE**.
2. Slide **NORM/HI/MTL (PB)** to **NORM** for normal bias cassette tapes or to **HI/MTL (PB)** for chrome or metal cassette tapes.




3. Slide **FWD/REV** to **FWD** to play the side facing out, or to **REV** to play the other side.



4. Set the reverse mode switch to choose the automatic reverse option:




One-Time Playback : The cassette recorder plays one side of the tape, automatically reverses the tape's playback direction, plays the reverse side of the tape, then automatically stops.


Notes:

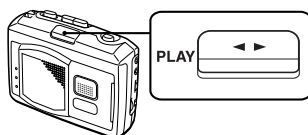
- If you set **FWD/REV** to **REV**, the cassette recorder plays only the

reverse side and stops at the end of that side.

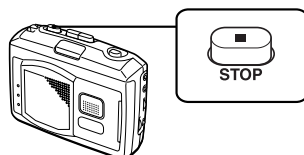
- When you set **FWD/REV** to **FWD** during the reverse side playback, the tape stops.

Continuous Playback : The cassette recorder alternately plays each side of the tape until you press **STOP**.

5. Press  **PLAY**. One of the BATT indicators lights, and the tape begins to play.



6. Adjust **VOLUME** to the desired listening level.
7. To enhance the bass sound, slide **S BASS/SPK** to **S BASS**.
8. To stop the tape, press **STOP**.



USING FAST FORWARD AND REWIND

When the tape is stopped, press ◀◀ or ▶▶ to rewind or fast-forward it.

FWD/REV set to	To rewind, press	To fast- forward, press
FWD	▶▶	◀◀
REV	◀◀	▶▶

To stop the tape before it reaches the end, press **STOP**.

Note: To protect the tape after the tape has fully wound to either end, press **STOP**.

You can press ◀◀ or ▶▶ during playback. The button locks down and you can hear the tape at a faster speed. To resume normal playback, press ◀▶ **PLAY**.

RECORDING

You can record from the cassette recorder's radio, or you can use either the built-in or supplied external microphone to make live recordings. Use any normal bias (Type I) tape up to 90 minutes long.

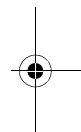
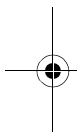


We do not recommend 120-minute tapes because they are thin and can easily tangle.



Important: To prevent accidental erasure, before using your recorder to record, be sure **FWD/REV** is set to **FWD**. If you press **REC** with **FWD/REV** set to **REV**, the direction of tape play automatically switches to **FWD**. This could cause material on the other side of the tape to be recorded over.

Caution: If you load a cassette with the tabs broken off, do not try to force down **REC** and **PLAY** at the same time. This can damage the recording mechanism. (See "Preventing Accidental Erasure" on Page 24.)



Note: The cassette recorder's automatic level control sets the recording level. Adjusting **VOLUME** has no effect on the recording level.

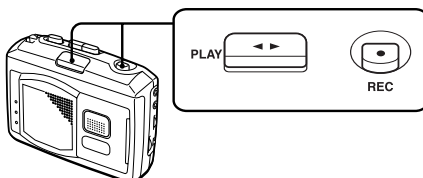
Recording from the Radio

1. Load a blank cassette tape (or one you want to record over) into the tape compartment.
2. Slide **TAPE/FM/AM** to **FM** or **AM** to select the desired band.



Note: When you record from an AM station, you might hear interference (high-pitched tones or whistling sounds). If you hear this, set **OSC** to the other position.

3. Adjust **VOLUME** to the desired listening level. (Adjusting **VOLUME** has no effect on the recording level.)
4. Rotate **TUNING** to select a radio station.
5. Be sure **FWD/REV** is set to **FWD**, then hold down **REC** and press **PLAY** so recording starts.

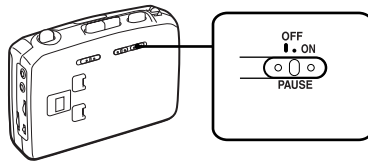


Recording continues until the tape reaches the end. To stop recording sooner, press **STOP**.

Notes:

- Set **PAUSE** to **ON** to temporarily stop recording. Set **PAUSE** to **OFF** to continue recording.

- To cue the tape, you can set **PAUSE** to **ON** before you press **REC** and **PLAY**, and set **PAUSE** to **OFF** when you are ready to record.



6. After you stop recording, set **TAPE/FM/AM** to **TAPE** to turn off the radio.

Recording Live

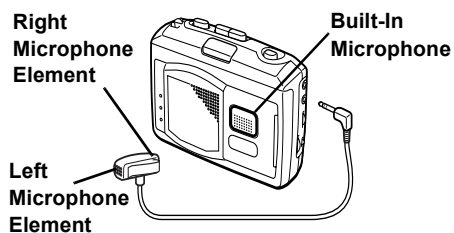
The monaural microphone is built into your recorder on its cassette compartment door. The recorder also comes with an external stereo microphone. This tie-clip microphone is like two microphones in one. It contains two elements so you can record in stereo. Follow these steps to make live recordings.

Notes:

- You can use stereo headphones (not supplied) to monitor the sound while you record.

- If feedback (noise) occurs during recording, increase the distance between the microphone and the headphones, or turn down the volume.

1. Load a blank cassette tape (or one you want to record over) into the cassette compartment.
2. *To record from the supplied tie-clip microphone*, connect the microphone to the cassette recorder's **MIC** jack. Point the **L/R** (left/right) elements of the microphone toward the sound source as shown, or clip it to the speaker's lapel. Avoid pointing only one end (**L** or **R**) toward the sound source.



To record with the built-in monaural microphone, be sure the supplied tie-clip microphone is disconnected from the **MIC** jack. Point the built-in microphone toward the sound source.

Note: Connecting the supplied tie-clip microphone to the cassette recorder's **MIC** jack automatically disconnects the built-in microphone.

3. Set **TAPE/FM/AM** to **TAPE**.
4. Be sure **FWD/REV** is set to **FWD**, then hold down **REC** and press **PLAY** so recording starts.

Note: Set **PAUSE** to **ON** to temporarily stop recording. Set **PAUSE** to **OFF** to continue recording.

5. Recording continues until the tape reaches the end. To stop recording sooner, press **STOP**.

TAPE TIPS

Preventing Accidental Erasure

Cassettes have two erase-protection tabs — one for each side. When a tab is in place, you can record on that side.

To protect a recording from being accidentally recorded over or erased, use a screwdriver to remove one or both of the

cassette tape's erase-protection tabs. This prevents **REC** from being pressed.



If you later decide to record on a tape side after you have removed its erase-protection tab, place a piece of strong plastic tape over the side's erase-protection hole. Be sure you cover only the hole originally covered by the erase-protection tab.

Caution: Removing the erase-protection tabs does not prevent a bulk tape eraser from erasing a cassette tape.

Erasing Tapes

To quickly erase a cassette, you can use a bulk eraser, available at your local RadioShack store.

Restoring Tape Tension and Sound Quality

After you play a cassette tape several times, the tape might become tightly wound on the reels. This can cause playback sound quality to deteriorate.

To restore the sound quality, fast-forward the tape from the beginning to the end of one side, then completely rewind it. Then loosen the tape reels by gently tapping each side of the cassette's outer shell on a flat surface.

Caution: Be careful not to damage the cassette when tapping it. Do not touch the exposed tape or allow any sharp objects near the cassette.

Care and Maintenance

Your RadioShack AM/FM Stereo Cassette Recorder is an example of superior design and craftsmanship. The following suggestions will help you care for the cassette recorder so you can enjoy it for years.

- Keep the recorder dry. If it gets wet, wipe it dry immediately.
- Use only fresh batteries of the recommended size and type.
- Handle the recorder gently and carefully.

- Use and store the recorder only in normal temperature environments. Temperature extremes can shorten the life of electronic devices damage batteries, and distort or melt plastic parts.
- Keep the recorder away from dust and dirt.
- Wipe the recorder with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the recorder.

Modifying or tampering with the recorder's internal components can cause a malfunction and might invalidate the recorder's warranty and void your FCC authorization to use it. If your recorder is not performing as it should, take it to your local RadioShack store for assistance.

CLEANING THE TAPE-HANDLING PARTS

Dirt, dust, or particles of the tape's coating can accumulate on the tape heads and other parts the tape touches. This can greatly reduce the performance of the cassette recorder. You should clean the

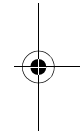
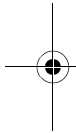


tape-handling parts after about every 20 hours of tape player operation. Your local RadioShack store sells a complete line of cassette deck cleaning supplies.

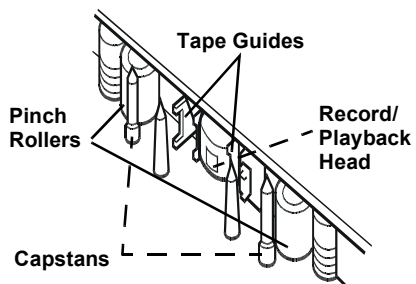
Use a cassette-type deck cleaner (not supplied) to clean the tape-handling parts most effectively. Follow the directions described with the tape cleaner.

To clean the tape-handling parts yourself, follow these steps.

1. Remove the batteries and disconnect any other power source.
2. Open the cassette compartment cover.
3. Press ◀▶ **PLAY** to expose the tape-handling parts.
4. Use a cotton swab dipped in denatured alcohol or tape head cleaning solution to clean the record/playback



head, pinch rollers, tape guide, and capstans (as shown).



5. When you finish cleaning, press **STOP** and close the cassette compartment cover. Then reconnect power.

Wait until the cleaned parts dry before inserting a cassette.

FCC INFORMATION

This device complies with Part 15 of *FCC Rules*. Operation is subject to the condition that this device does not cause harmful interference.

Your radio might cause TV or radio interference even when it is operating properly. To determine whether your radio is causing the interference, turn it off. If the



interference goes away, your radio is causing it. Try to eliminate the interference by:

- moving your radio from the receiver
- contacting your local RadioShack store for help

If you cannot eliminate the interference, the FCC requires that you stop using the radio.

Specifications

CASSETTE DECK

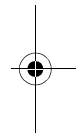
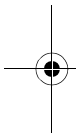
Tape Speed 1⁷/₈ ips (4.8 cm/s)
Wow and Flutter (WRMS) 0.3%
Frequency Response 63 Hz to 10 kHz
S/N Ratio 45 dB

RADIO

AM 530–1710 kHz
FM 88–108 MHz

POWER REQUIREMENT

Batteries 2 AA Batteries
AC Adapter (optional) 3V DC, 300 mA

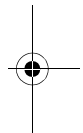
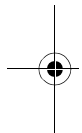




DC Adapter (optional)..... 3V DC, 300 mA
Typical Radio Playing Time
with AA Alkaline Batteries About 39 Hours
Typical Cassette Playing Time
with AA Alkaline Batteries About 19 Hours

GENERAL

Power Output 15 mW/Channel at 32 Ohms
(Phones Jack)
Dimensions (HWD) $3\frac{1}{2} \times 4\frac{3}{4} \times 1\frac{7}{16}$ in
(87.5 × 119 × 35 mm)
Weight (Without Battery) 6.8 oz
(192 g)



Specifications are typical; individual units might
vary. Specifications are subject to change and
improvement without notice.



Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or re-installation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations,
200 Taylor Street, 6th Floor, Fort Worth, TX 76102

We Service What We Sell

12/99

03A00

87-HJ7-906-01

14-1249

991220AKK-RS9

Printed in Malaysia